

Preliminary Assessment of Criteria for Decision Issues

1. Preliminary assessment of our sample criteria, based on their application to the 1968 AF PCR's for the CIP, indicates:

- a) That our cost criteria are too low in that they select all major program elements;
- b) that the cost criteria involve detail which is not applicable -- the concept of compensatory reductions is not used; and
- c) that the capabilities criteria cannot be applied because the PCR's do not include suitable data.

2. Examination of the PCR's indicates that even though substantial absolute or relative increases apply to one or more years for all of the major program elements (Table 1), the AF suggests review of only 4 of the 15 (Table 3).

3. A simplified, dual, cost criterion of a change of \$5 m. and 10 percent -- applied to 5-year costs(1969-73), costs in 1970 (the target year), and 1974 (the new year) relative to 1973 -- is

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instructions apply.

more workable (Table 1):

a) It selects 9 of the 15 major program elements,*
and

b) these 9 account for more than 95 percent of the
proposed over-all increase.

4. When a major program element is comprised of subsidiary projects the same dual criterion would be applied to select among them. (Four of the nine major program elements selected are so constituted). This was done for the Technical Sensor element; of its nine projects, six were selected by this criterion (Table 2). Air Force, however, suggested review of only 3 (Table 3).

5. Use of the dual cost criterion would require examination of fewer than 20 elements and subsidiary projects.

6. The attached tables show changes relative to the revised 1967 PCD. The changes would be somewhat greater if shown relative to the 1967 PCD (that is, without the interim changes). More significant than the absolute amount of change between the PCD and its revisions is the introduction of new programs. The most striking example is

* Virtually the same results as would be obtained by rank ordering the changes without regard to sign and selection of the median and all those above it.

Sentinel Foam: it was not included in the 1967 PCD, but since that decision \$10 m. has been approved for R&D in FY'69. The 1968 PCR now refers to Sentinel Foam as an approved program and requests another \$170 m. to complete the task. There was no DCI or NIPE participation re the mid-year approval.

TOTALS BY PROGRAM ELEMENT

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— change in \$million

TABLE I

— % change of total change

	1969	1970	1971	1972	1973	1974-73	Median 1969-73	\$ ¹⁹⁷⁰ 1970 1973 1974-73 1973 1974-73 1973 1974-73 AF
TOTAL (1)	2.3	193.8	120.1	67.0	54.9	438.1	100.9	
ATT. AIR. (2)	0	9.5	13.5	-2.5		20.5	4.7	x x x x x
CIA IA (3)	0	1.9	0	1.7	1.0	4.1	0.9	
SAT. (4)	0	6.1	12.1	16.5	13.8	48.5	11.1	x x x x
HUMINT (5)	-0.1	0.8	0.5	0.6	0.6	2.4	0.5	
SR-71 (6)	0.7	1.1	0.7	3.2	3.3	9.2	2.1	x x x
IDHS (7)	-0.2	8.9	10.7	4.9	4.8	29.2	6.6	x x x x
PROD. (8)	0.5	3.5	1.2	0.1	0	5.1	1.2	
ELINT/GRS (9)	0.1	0.1	0.1	0.1	0.1	0.4	0.1	
COMINT, TAC. (10)	1.7	5.5	1.6	1.7	1.6	12.1	2.8	x x x x
DSSCS/SPINT (11)	0	1.9	0.4	0.6	0.5	3.4	0.8	
GREEK RIB (12)	0	-6.3	1.1	7.2	2.5	45.5	1.0	?
RC-135 (13)	0.9	1.3	0.6	1.0	1.0	4.8	1.1	
CEASR SKY (14)	0	9.3	21.9	15.1	6.0	52.2	11.7	x x x x x
TECH. SENS. (15)	0.1	181.4	48.7	8.0	8.9	207.1	47.3	x x x x x
MCG (16)	-1.3	9.6	7.0	9.0	10.7	35.0	9.0	x x x x x

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TABLE 2

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TECHNICAL SENSORS

— change in \$ million

— % change is of total change

	1969	1970	1971	1972	1973	E 69-73	Median 1969-70 1970-71 1971-72 1972-73	\$5 min & \$5 max 1969-70 1970-71 1971-72 1972-73 AF
TOTAL	0.1	141.4	48.7	8.0	9.9	207.1	100%	
RIVET ANGEL	-2.9	6.9	0.5	4.0	0.5	9.0	4.3	X X X X
RIVET BALL	2.5	-1.1	2.0	-1.1	2.0	4.3	2.1	
SENT. SHOE	0	0.3	0.3	0.3	0.3	1.2	0.6	?
SENT. FOAM	0	84.0	28.0	1.9	2.2	113.1	54.6	X X X X X
TASK FL. A	1.3	1.9	1.7	1.8	1.8	8.5	4.1	X X
7H99	0.6	3.6	1.1	-2.0	-1.5	1.8	0.9	
6091	-1.5	-1.3	-1.3	-1.3	-1.3	-6.7	-3.2	X
SENT. SURF		30.3	12.0			42.3	20.4	X X X X
SENT. HIST (FAX)	0	16.9	7.3	4.6	5.0	33.8	16.3	X X X X X
B. SAND								

Criterion : Change of \$5m. and of 10 percent in 1968 PCR relative to revised 1977 PCD
for E 1969-73; 1970; 1974/75

TABLE 3

Elements Meeting Criterion	E 1968-73	1970	1974/75	Combined	Ends by AF	
Int. Act.	X		X		2	X
S & T	X	X	X	3		
S & T	X		X	2		
IDHS	X	X	X	3		
Conson Tas	X	X	X	3		
Crash Pat		X		1		
Clear Sky	X	X	X	3	X	
Tech. Sono	X	X	X	3	X (3 of 9)	
MCG		X		1	X	
Tech. Sensors						
Point Amber	X	X	X	3		
Sent. Team	X	X	X	3	X	
Tash Fl. A	X	X	X	1		
6091	X			1		
Sent. Surf	X	X		2	X	
Sent. Nest	X	X	X	3	X	

1. Criterion picks up 9 of 15 program elements
(about same as everything from median or up.)
2. These 9 account for ≈ 95% of
program increase.

3. As appropriate, expansion of elements
into constituent projects (see below)
would require enumeration of about
20 projects or program elements.

1. Criterion picks up 6 of 9 projects
within the program element
(about same as being median).

2. These 6 account for ≈ 95% of
program increase.